FILE 'HOME' ENTERED AT 16:34:38 ON 10 NOV 95

=> file reg

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.15 0.15

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:34:43 ON 10 NOV 95 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT COPYRIGHT (C) 1995 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 3 NOV 95 HIGHEST RN 169735-60-8 DICTIONARY FILE UPDATES: 9 NOV 95 HIGHEST RN 169735-60-8

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1995

Please note that search-term pricing does apply when conducting SmartSELECT searches.

=> s "guanosine-5'-monophosphate"/CN

L1 0 "GUANOSINE-5'-MONOPHOSPHATE"/CN

=> s "guanosine 5'-monophosphate"'CN

MISMATCHED QUOTE 'PHOSPHATE"'CN'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s quanosine and monophosphate/CN

25582 GUANOSINE

0 MONOPHOSPHATE/CN

L2 0 GUANOSINE AND MONOPHOSPHATE/CN

=> s C11H16N5O6P/MF

L3 37 C11H16N5O6P/MF

=> d L3 1-37 cn

L3 ANSWER 1 OF 37 REGISTRY COPYRIGHT 1995 ACS

- CN [2,4'-Bi-1H-imidazol]-5'-amine, 1'-(2-deoxy-5-0-phosphono-.beta.-D-erythro-pentofuranosyl)- (9CI) (CA INDEX NAME)
- L3 ANSWER 2 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Thymidine, 3'-azido-3'-deoxy-, 5'-(methyl phosphonate) (9CI) (CA INDEX NAME)
- L3 ANSWER 3 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[3-hydroxy-4-[(phosphonooxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)
- L3 ANSWER 4 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Phosphonic acid, [[[4-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-hydroxycyclopentyl]oxy]methyl]-, (1.alpha.,2.beta.,4.alpha.)-(.+-.)-(9CI) (CA INDEX NAME)
- L3 ANSWER 5 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Guanosine, 2'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA INDEX NAME)
- L3 ANSWER 6 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Phosphonic acid, [[[4-(6-amino-9H-purin-9-yl)-2,3-dihydroxycyclopentyl]oxy]methyl]-, [1S-(1.alpha.,2.beta.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)
- L3 ANSWER 7 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Adenosine, 2'-deoxy-, 5'-[hydrogen (hydroxymethyl)phosphonate] (9CI) (CA INDEX NAME)
- L3 ANSWER 8 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Adenosine, 2'-deoxy-5'-O-(phosphonomethyl)- (9CI) (CA INDEX NAME)
- L3 ANSWER 9 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-(2,5,6-trideoxy-6-phosphono-.beta.-D-erythro-hexofuranosyl)- (9CI) (CA INDEX NAME)
- L3 ANSWER 10 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Phosphonic acid, [[[3-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-(hydroxymethyl)cyclobutyl]oxy]methyl]-, (1.alpha.,2.beta.,3.alpha.)-(9CI) (CA INDEX NAME)
- L3 ANSWER 11 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 5'-Adenylic acid, 2'-deoxy-3-methyl- (9CI) (CA INDEX NAME)
- L3 ANSWER 12 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Adenosine, 2'-deoxy-3'-O-(phosphonomethyl)- (9CI) (CA INDEX NAME)

- L3 ANSWER 13 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-9-[2,3-bis(hydroxymethyl)cyclobutyl]-1,9-dihydro-, mono(dihydrogen phosphate) (ester), [1S-(1.alpha.,2.beta.,3.alpha.)]- (9CI) (CA INDEX NAME)
- L3 ANSWER 14 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Guanosine, 2',3'-dideoxy-3'-(phosphonomethyl)- (9CI) (CA INDEX NAME)
- L3 ANSWER 15 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-(2-hydroxy-5-methoxy-1,3,2-dioxaphosphorinan-5-yl)ethyl]-, P-oxide (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

- CN 1,3,2-Dioxaphosphorinane, 6H-purin-6-one deriv.
- L3 ANSWER 16 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-9-[(hydroxymethyl)[(phosphonooxy)methyl]cycl obutyl]-1,9-dihydro-, [1R-(1.alpha.,2.beta.,3.alpha.)]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

- CN (+)-Cyclobut G monophosphate
- CN (R)-BHCG monophosphate
- L3 ANSWER 17 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Phosphonic acid, [[[3-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)-2-(hydroxymethyl)cyclobutyl]oxy]methyl]- (9CI) (CA INDEX NAME)
- L3 ANSWER 18 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN Thymidine, 3'-azido-3'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA INDEX NAME)
- L3 ANSWER 19 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 2,4(1H,3H)-Pyrimidinedione, 1-(3-azido-2,3,5,6-tetradeoxy-6-phosphono-.beta.-D-erythro-hexofuranosyl)-5-methyl- (9CI) (CA INDEX NAME)
- L3 ANSWER 20 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[3-hydroxy-4-[(phosphonooxy)methyl]cyclopentyl]-, [1R-(1.alpha.,3.beta.,4.alpha.)]- (9CI) (CA INDEX NAME)
- L3 ANSWER 21 OF 37 REGISTRY COPYRIGHT 1995 ACS
- CN 1H-Purinium, 2-amino-6,9-dihydro-9-[[(2-hydroxy-1,3,2-dioxaphosphorinan-5-yl)oxy]methyl]-1,7-dimethyl-6-oxo-, inner salt, P-oxide (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

```
1,3,2-Dioxaphosphorinane, 1H-purinium deriv.
CN
     ANSWER 22 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
     1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
CN
     [(phosphonooxy)methyl]-, [1S-(1.alpha.,2.alpha.,3.beta.,5.beta.)]-
     (9CI) (CA INDEX NAME)
    ANSWER 23 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
     1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
CN
     [(phosphonooxy)methyl]-, [1R-(1.alpha.,2.beta.,3.beta.,5.beta.)]-
     (9CI) (CA INDEX NAME)
L3
    ANSWER 24 OF 37 REGISTRY COPYRIGHT 1995 ACS
     1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
CN
     [(phosphonooxy)methyl]-, (1.alpha., 2.beta., 3.beta., 5.beta.)-(.+-.)-
     (9CI) (CA INDEX NAME)
    ANSWER 25 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
    3'-Adenylic acid, 2'-deoxy-, monomethyl ester (9CI) (CA INDEX NAME)
CN
    ANSWER 26 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
    5'-Adenylic acid, 2'-deoxy-3'-O-methyl- (9CI)
CN
                                                   (CA INDEX NAME)
L3
    ANSWER 27 OF 37 REGISTRY COPYRIGHT 1995 ACS
    5'-Adenylic acid, 2'-deoxy-, monomethyl ester (9CI) (CA INDEX NAME)
CN
L3
    ANSWER 28 OF 37 REGISTRY COPYRIGHT 1995 ACS
    D-erythro-Pentofuranoside, methyl 5-(6-amino-9H-purin-9-yl)-2,5-
CN
    dideoxy-, 3-(dihydrogen phosphate) (9CI) (CA INDEX NAME)
    ANSWER 29 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
    5'-Adenylic acid, 2'-deoxy-N-methyl- (9CI) (CA INDEX NAME)
CN
OTHER NAMES:
    6-Methylaminopurine deoxyriboside 5'-phosphate
CN
L3
    ANSWER 30 OF 37 REGISTRY COPYRIGHT 1995 ACS
    5'-Adenylic acid, 2'-deoxy-1-methyl- (9CI) (CA INDEX NAME)
CN
    ANSWER 31 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
    1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
CN
     [(phosphonooxy)methyl]-, (1.alpha., 2.alpha., 3.beta., 5.beta.)-(.+-.)-
     (9CI) (CA INDEX NAME)
    ANSWER 32 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
    1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-,
CN
     1-(dihydrogen phosphate), [1R-(1.alpha.,2.alpha.,3.beta.,5.beta.)]-
     (9CI) (CA INDEX NAME)
```

```
1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-,
     1-(dihydrogen phosphate), (1R, 2S, 3R, 5R) - (8CI)
OTHER NAMES:
     Aristeromycin 3'-phosphate
CN
     ANSWER 33 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
     Adenosine, 3'-deoxy-3'-(phosphonomethyl)- (8CI, 9CI) (CA INDEX
CN
     NAME)
L3
     ANSWER 34 OF 37 REGISTRY COPYRIGHT 1995 ACS
     9H-Purin-6-amine, 9-(5,6-dideoxy-6-phosphono-.beta.-D-ribo-
CN
     hexofuranosyl) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     Adenine, 9-(5,6-dideoxy-6-phosphono-.beta.-D-ribo-hexofuranosyl)-
     (8CI)
OTHER NAMES:
CN
     5'-Deoxy-5'-homoadenosine phosphonic acid
CN
     6'-Deoxyhomoadenosine 6'-phosphonic acid
CN
     ACP
L3
     ANSWER 35 OF 37 REGISTRY COPYRIGHT 1995 ACS
     1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-
CN
     [(phosphonooxy)methyl]-, [1R-(1.alpha.,2.alpha.,3.beta.,5.beta.)]-
     (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN
     1,2-Cyclopentanediol, 3-(6-amino-9H-purin-9-yl)-5-(hydroxymethyl)-,
     5-(dihydrogen phosphate), (1R, 2S, 3R, 5R) - (8CI)
OTHER NAMES:
CN
     Aristeromycin 6'-phosphate
L3
     ANSWER 36 OF 37 REGISTRY COPYRIGHT 1995 ACS
CN
     5'-Adenylic acid, 3'-deoxy-N-methyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     Adenosine, 3'-deoxy-N-methyl-, 5'-(dihydrogen phosphate) (8CI)
CN
     ANSWER 37 OF 37 REGISTRY COPYRIGHT 1995 ACS
L3
CN
     Adenosine, 5'-(hydrogen methylphosphonate) (8CI, 9CI) (CA INDEX
     NAME)
OTHER CA INDEX NAMES:
     Adenosine, 5'-methylphosphonate (7CI)
CN
=> s C10H14N5O7P/MF
           101 C10H14N5O7P/MF
L4
```

OTHER CA INDEX NAMES:

=> d his

```
FILE 'REGISTRY' ENTERED AT 16:34:43 ON 10 NOV 95
             0 S "GUANOSINE-5'-MONOPHOSPHATE"/CN
L1
L2
             O S GUANOSINE AND MONOPHOSPHATE/CN
L3
            37 S C11H16N5O6P/MF
           101 S C10H14N5O7P/MF
L4
=> d L3 5,14
L3
    ANSWER 5 OF 37 REGISTRY COPYRIGHT 1995 ACS
    153527-00-5 REGISTRY
RN
    Guanosine, 2'-deoxy-, 5'-(hydrogen methylphosphonate) (9CI) (CA
CN
    INDEX NAME)
     ***C11 H16 N5 O6 P***
\mathsf{MF}
SR
    CA
LC
    STN Files: CA, CAPLUS
DES
    5:B-D-ERYTHRO
              0
           . C . .N:
                                                               0
              . C . : C
         Ν
                                      .0.
                                              . CH2 .....O....P....Me
        . C.
                 C.
H2N.
             .N
                                    C...C.
              Η
                                                               OH
                                            OH
              2 REFERENCES IN FILE CA (1967 TO DATE)
              2 REFERENCES IN FILE CAPLUS (1967 TO DATE)
L3
    ANSWER 14 OF 37 REGISTRY COPYRIGHT 1995 ACS
RN
    133272-12-5 REGISTRY
    Guanosine, 2',3'-dideoxy-3'-(phosphonomethyl)- (9CI) (CA INDEX
CN
    NAME)
```

(FILE 'HOME' ENTERED AT 16:34:38 ON 10 NOV 95)

```
MF ***C11 H16 N5 O6 P***
CI COM
SR
   CA
   STN Files: CA, CAPLUS
LC
DES 5:B-D-ERYTHRO
         0
       .C . .N :
      N
                     .0.
     H2N.
        . N
                       C....C.
         H
                             CH2 .....PO3H2
         1 REFERENCES IN FILE CA (1967 TO DATE)
```

- 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

FILE 'CA' ENTERED AT 16:44:09 ON 10 NOV 95
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 1995 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1967 - 4 Nov 1995 (951104/ED) VOL 123 ISS 19

To help control your online searching costs, consider using the HCA File when using the FSEARCH command or when conducting SmartSELECT searches with large numbers of terms.

Roles are now available from 1967 to date.

=> s L5

. . . .

L7 1 L5

=> d L7

- L7 ANSWER 1 OF 1 CA COPYRIGHT 1995 ACS
- AN 115:72104 CA
- TI Synthesis of 2',3'-dideoxy-3'-(phosphonomethyl)nucleosides, phosphonate analogs of 2'-deoxy-3'-nucleotides
- AU Morr, Michael; Ernst, Ludger; Schomburg, Dietmar
- CS Ges. Biotechnol. Forsch. m.b.H., Braunschweig, D-3300, Fed. Rep. Ger.
- SO Liebigs Ann. Chem. (1991), (7), 615-31 CODEN: LACHDL; ISSN: 0170-2041
- DT Journal
- LA German

=> s L6

L8 2 L6

=> d L8 1-2

- L8 ANSWER 1 OF 2 CA COPYRIGHT 1995 ACS
- AN 121:134648 CA
- TI 5'-Phosphonates of ribonucleosides and ribonucleotides: synthesis and antiviral activity
- AU Shirokova, E. A.; Jasko, M. V.; Shipitsin, A. V.; Krayevsky, A. A.; Ostrander, M.; O'Hara, B.; Baron, P.; Maclow, K.; Polsky, B.
- CS Engelhardt Inst. Mol. Biol., Moscow, 117984, Russia
- SO Mol. Biol. (Moscow) (1994), 28(1), 224-32 CODEN: MOBIBO; ISSN: 0026-8984

- DT Journal
- LA Russian
- L8 ANSWER 2 OF 2 CA COPYRIGHT 1995 ACS
- AN 120:218379 CA
- TI 5'-Phosphonates of ribonucleosides and 2'-deoxyribonucleosides: synthesis and antiviral activity
- AU Jasko, Maxim; Shipitsin, Alexander; Shirokova, Elena; Krayevsky, Alexander; Polsky, Bruce; Baron, Penny; MacLow, Clarinda; Ostrander, Michael; O'Hara, Brian
- CS Engelhardt Inst. Mol. Biol., Moscow, 117984, Russia
- SO Nucleosides Nucleotides (1993), 12(8), 879-93 CODEN: NUNUD5; ISSN: 0732-8311
- DT Journal
- LA English